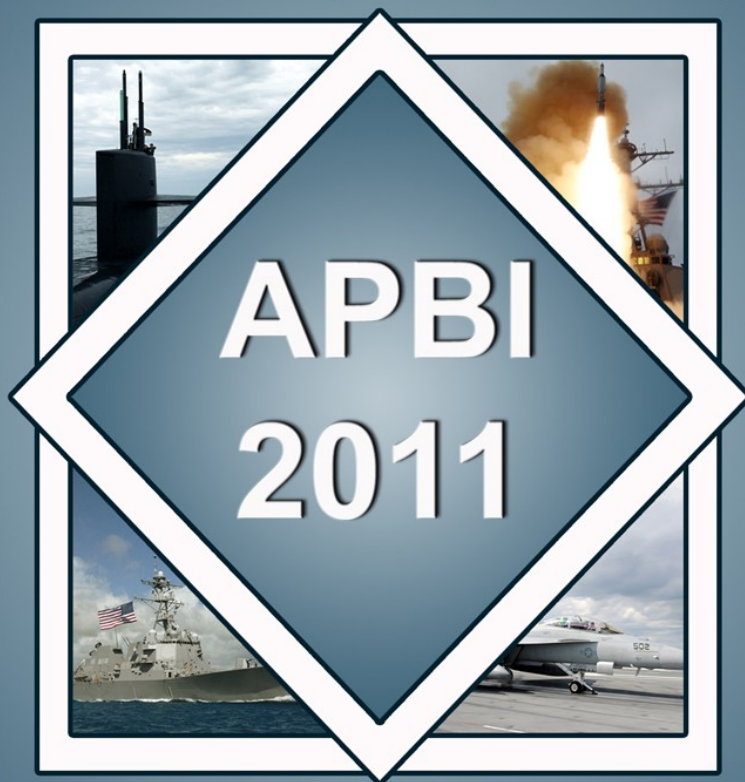




Naval Surface Warfare Center Crane Division

Advance Planning Briefings for Industry



"Warfighter Success - Supporting the Warfighter"

Customer Advocate Special Operations

29 MAR 2011

**Daniel J.
Cabel**



Description of Portfolio Special Operations

- **Key Sponsors:**
 - United States Special Operations Command (USSOCOM) Special Operations Research, Development, & Acquisition Center (SORDAC)
 - Joint Acquisition Task Force (JATF)
 - PEO Maritime (M)
 - PEO SOF Warrior (SW)
 - PEO Special Reconnaissance, Surveillance, and Exploitation (SRSE)
 - Program Manager-Intelligence (PM-I)
 - PEO Command, Control, Communications, and Computers (C4)
 - PEO Fixed Wing (FW)
 - PEO Rotary Wing (RW)
 - PEO Special Operations Forces Support Activity (SOFSA)
 - Director of Science & Technology (S&T)
 - USSOCOM Component Commands (USASOC, NAVSOC, AFSOC, MARSOC, JSOC)
 - USSOCOM Theater Special Operations Commands (TSOC)
 - NAVSEA
 - PEO LMW (PMS NSW)
 - Ground Application Program Office (GAPO)
 - Government Labs in support of Special Operations Initiatives
- **Financial Overview (FY12 Plan)**
 - NSWC Crane FY12 Planned Work Years ~317
 - NSWC Crane FY12 Planned Funding Execution ~\$183M

Special Operations Strategic Environment

- **FY11 & FY12 is, and will continue to be exciting years for USSOCOM and the Special Operations Community**
 - Changes in Leadership, budget challenges, and the roll out effect.
 - The budget challenges is causing USSOCOM to plan and operate in a more innovative, creative way of doing business in finding solutions to operational shortfalls and in filling capability gaps.
- **USSOCOM Leadership FY11 Change of Commands**
 - USSOCOM : ADM Olson being relieved by ADM McRaven – July/Aug 2011 timeframe
 - JSOC: VADM McRaven being relieved by LTG Votel – June/July 2011 timeframe
 - NAVSOC: RADM Winters being relieved by RADM Pybus – June/July 2011 timeframe
 - AFSOC: LtGen Wurster is being relieved by LtGen Fiel – June/July 2011 timeframe
 - To name a few of the Special Operations Leadership changes
- **Acquisition Summits: USSOCOM-DoD and USSOCOM-Services (USA, USN, USMC, and USAF) and Service System Commands**
 - To find common solutions to common requirements and capability gaps.
 - Discussions on teaming efforts for similar material solutions - across the full lifecycle spectrum from Science & Technology (S&T), Research & Development (R&D), Test & Evaluation (T&E), Fielding, Acquisition, and to Sustainment.
- **Key concepts for FY11 - FY12 are “Innovation” and “Collaboration”**

Special Operations Strategic Theme

- **USSOCOM executes a very diverse portfolio of equipment and products to support the Special Operators Warfighter.**
- **USSOCOM Acquisition Authority - Title 10 USC Section 167**
 - Develop and Acquire Special Operations-Peculiar Equipment
 - Acquire Special Operations-Peculiar Material, Supplies, and Services
 - “Head of Agency” Authority for Acquisition
- **Key Special Operations Warfighter capabilities which would be improved by technologies include:**
 - Aviation Systems
 - SOF Warrior Support
 - Intelligence, Surveillance, and Reconnaissance (ISR)
 - Biometrics and Forensics
 - Command, Control, Communications, and Computers (C4)
 - Weapons and Electronic Attack
 - Medical
 - Mobility
 - Power & Energy (P&E)
 - Irregular Warfare (IW)
 - Cyber Operations
- **Execute approved program profiles within 10% deviation of cost, schedule, and performance**

Special Operations Critical Areas

- **Engineering and Technology (E&T) Support**
- **Technology Transition, Technology Acceleration**
- **Power and Energy (P&E)**
- **Electronic Warfare (EW)**
 - Space, Cyber, ISR, C4, Radar
 - EW Attack (EA), Protect (EP), Support (ES)
 - All Environments; Expeditionary, Maritime, Airborne
- **Electro Optics (EO) / Infrared (IR) Support**
- **Small Arms Weapons and Accessories Support**



Special Operations Engineering and Technology Support

- **GOAL**
 - Expand Special Operations Full Spectrum, Rapid Response, Engineering and Technology (E&T) Support.
- **OBJECTIVES**
 - Lead and Provide key E&T Subject Matter Expert (SME) support for Special Operations Future Concepts, Exploration, and Experimentations.
 - Provide rapid response non-traditional assessments, evaluations, and testing to all Special Operations forces, to include the use of the Southern Indiana Test Bed.
 - Provide innovative concepts in providing rapid E&T support to Special Operations, to include Special Operations Forces Supply Activity (**SOFSA**).
- **INITIATIVES**
 - Educate and expand the knowledge base of the specialized NSWC Crane Team E&T capabilities (*other than Small Arms and Electro Optics*) to USSOCOM HQ, SORDAC, SOF Component Commands, and key SOF Stakeholders.
 - Provide key opportunities for NSWC Crane Team to visit and participate in Special Operations milestone events (*Experimentations, Test events, USSOCOM IPTs, etc.*).

Special Operations Technology Transition

- **GOAL**

- Develop and execute NSWC Crane Technology Transition Process dedicated to Special Operations prioritized gaps.

- **OBJECTIVES**

- Insure that Special Operations Technology Transition process includes initiatives across:
 - Science & Technology (S&T) to Research & Development (R&D) to Acquisition and Special Operations Fielding (*both National and Theater*)
 - Special Operations to DoD Services (USA, USN, USMC, USAF)
 - DoD Services to Special Operations
 - National to Theater Forces

- **INITIATIVES**

- Communicate and work with the National Labs (ONR, NRL, ARL, AFRL, DARPA, etc.) early in the developmental process to identify the transition to Acquisition Plan for USSOCOM and SOF Component Commands interested efforts.
 - Communicate and work with existing Service Commands to leverage SOF to Service / Service to SOF Transition opportunities.

Special Operations Power and Energy

- **GOAL**
 - Provide full spectrum Special Operations Power & Energy (P&E) initiatives to meet the needs from individual Warfighter to Command and Forward Operating Base (FOB) use.

- **OBJECTIVES**
 - Develop and execute innovated SO P&E efforts to meet system platform power management to new alternatives - to include current SOF Warfighter/Forward Operating Base needs to future operations and SOF System Platforms.

- **INITIATIVES**
 - Broaden the knowledge base of the current skill set, initiatives, and enhanced capabilities of the NSWC Crane P&E Team to USSOCOM, SOF Component Commands, and SOF Stakeholders.
 - Other than the current SOF Undersea Battery Support

Special Operations Electronic Warfare

- **GOAL**

- Expand the full Spectrum Special Operations Electronic Warfare (EW) support in the Expeditionary, Maritime and Airborne environment.

- **OBJECTIVES**

- Increase the overall value within the NSWC Crane EW Team in support of the full spectrum Special Operations EW (Space, Cyber, ISR, C4, Radar, EW - Attack (EA), Protect (EP), Support (ES)) in the Expeditionary, Maritime, and Airborne environments.

- **INITIATIVES**

- Provide, educate, and inform USSOCOM, SOF Component Commands, and SOF Stakeholders the existing other DoD Service customers efforts for future and follow-on collaboration.
- Provide concept papers of existing EW technology and capabilities that would meet current Special Operations critical requirements.



Special Operations

Electro Optics-Infrared, Small Arms

- **GOAL**

- Grow, enhance, and increase the NSWC Crane Team's ability to provide and continually improve the existing EO/IR, Small Arms Weapons and Accessories support.

- **OBJECTIVES**

- Raise the overall value within the existing NSWC Crane EO/IR Team.
- Secure projects in support of EO/IR systems dedicated to best value and innovation.
- Raise the overall value within the existing NSWC Crane Small Arms Weapons and Accessories Team.
- Secure projects in support of Small Arms Weapons and accessories dedicated to best value and innovation.

- **INITIATIVES**

- Increase cross domain collaboration to indentify the game changing-leap ahead system technology to be inserted into existing platforms/systems.
- Collaboration with Industry and Academia to address New EO/IR and Small Arms technology growth areas and technology shortfalls - again "Leap Ahead Technology".

Special Operations Partnership Opportunities

- **Partnerships need to Be Creative, Innovative, Team Mentality and of course Collaborative**
 - Public-Private Partnerships
- **Not limited to “one with one” - Collaborative in Nature**
 - Academia, National Labs, Other Government Agencies, Industry
- **In Key Critical areas:**
 - E&T Support
 - Technology Transition, Technology Acceleration
 - P&E, EW, EO-IR, Small Arms
 - Education, Training
 - Facilities
- **In Key Warfighter capabilities:**
 - Aviation, Ground, and Maritime Systems, SOF Warrior Support, ISR, C4, Weapons and Electronic Attack, Mobility, P&E, IW, Cyber Operations

Special Operations Strategic Summary

- **There is a growing need for Special Operations specialized capabilities, especially for the SOF unique ability to address new and ambiguous challenges, it will continue to grow. At the same time, Special Operations will be under increasing fiscal pressure to gain additional efficiencies.**
- **SOF's access to future operational environments "ahead of the sound of the guns" will depend on small footprints and low profiles. SOF will continue to vigorously pursue concepts and technologies that energize a "think ahead, push forward" approach to supporting deployed forces.**
- **Effective, robust, and capable equipment is essential to SOF's success at the force, unit and individual levels.**
- **SOF will continue progress toward more rapid acquisition of SOF-peculiar and SOF-modified equipment, at lower costs, while increasing the investment in SOF-peculiar research and development.**
- **SOF will continue the semi-annual USSOCOM-DoD Acquisition summits and will aggressively pursue new material developments and acquisitions utilizing the proven Joint Acquisition Task Force approach.**
- **Together we will enhance and strengthen the SOF Community through Teamwork and implementing Engineering and Technical Best Practices in providing Best Value solutions in filling these critical Special Operation Capability Gaps.**
- **Special Operations is about Excellence in the People, Equipment, Preparation, and Mission Execution.**

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A large blue diamond shape with a white border is centered on the slide. Inside the diamond, the text "APBI 2011" is written in a large, white, sans-serif font. The diamond is superimposed over a square frame containing four images: a submarine on the left, a missile launch on the top right, a naval ship on the bottom left, and an aircraft on the bottom right.

**APBI
2011**

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